

Assay Class: Red to Blue
 Data Path: C:\... bioanalyzer\2100 expert\data\2010-10-07\Yellow_10-7-10.xad

Created: 10/7/2010 4:48:11 PM
 Modified: 10/7/2010 5:15:59 PM

Flow Cytometry Run Summary

Assay: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\cells\Red_to_Blue Series II.xsy

Assay Type: Cellular Version: 2.1

Assay Class: Red to Blue

Comments: Red to Blue
 This assay is for applications that apply a red reference dye and analyze blue fluorescent cells within a red population

Acquisition Mode: Default Samples Run: 6

User Name:

Company

Instrument: Instrument Name: DE72905360 Firmware: C.01.069
 Serial #: DE72905360 Type: G2938C

Chip Comments:

Sample Name	Sample Blue Comment	Blue Staining	Red Staining	Sta tus	Total Event s	% of Gated	Observation
Mock				✓	1338	1	
Delta5				✓	0	0	
Delta3				✓	1080	1.6	
Delta5 plus cut delta3				✓	1257	2.3	
Delta5 plus delta3 with KpnI digest				✓	1266	0.9	
EGFP				✓	1245	16.2	

Assay Class: Red to Blue
Data Path: C:\... bioanalyzer\2100 expert\data\2010-10-07\Yellow_10-7-10.xad

Created: 10/7/2010 4:48:11 PM
Modified: 10/7/2010 5:15:59 PM

Flow Cytometry Assay Details

Data Acquisition Parameters

Number of Available Sample Wells (Max.) : 6
Measurement Mode : Default

Graph Settings

Histogram Settings :

Blue :

Minimum : 0.01
Maximum : 10000
Scale : log

Red :

Minimum : 0.01
Maximum : 10000
Scale : log

Dot Plot Settings :

Blue :

Minimum : 0.01
Maximum : 10000

Red :

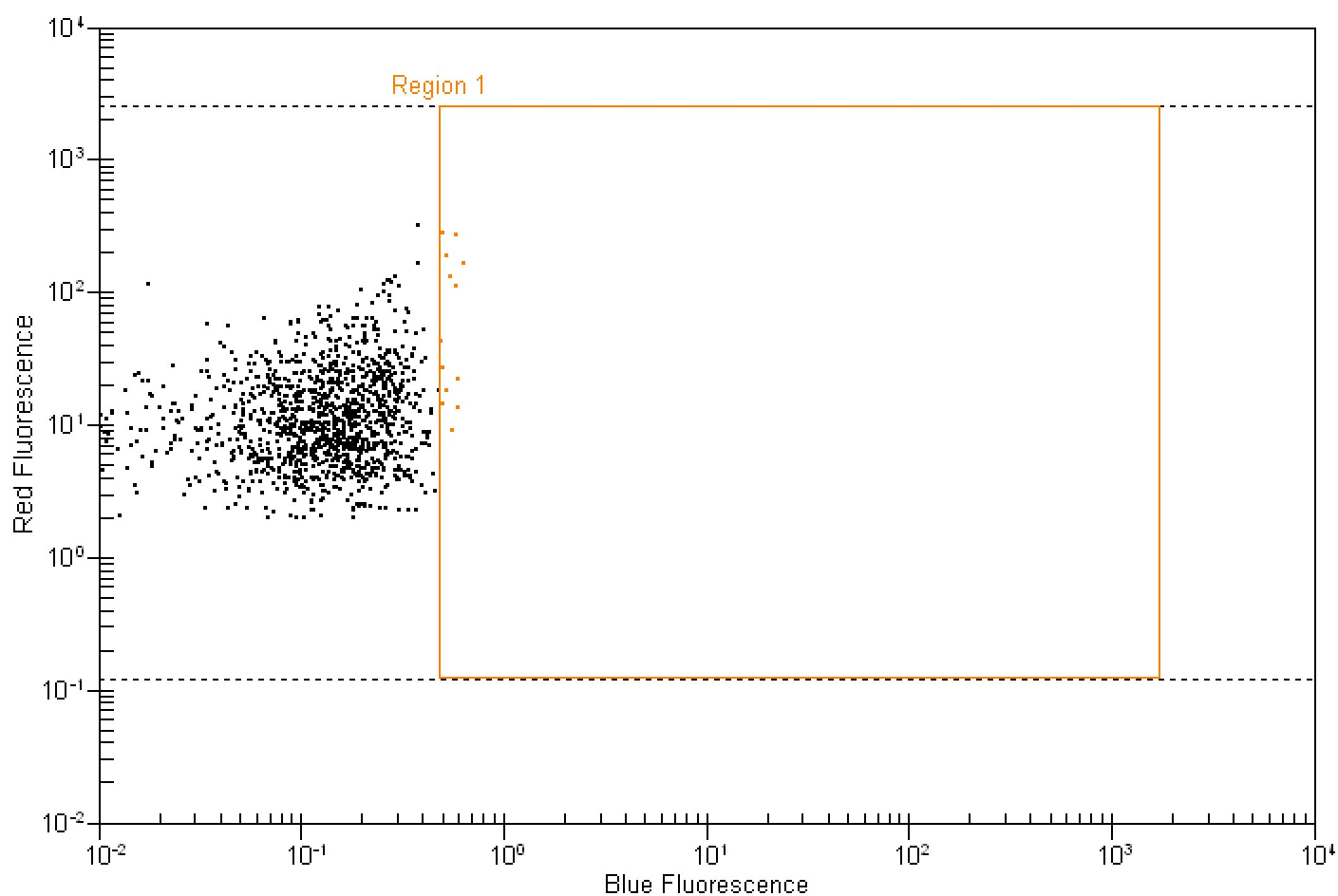
Minimum : 0.01
Maximum : 10000

Assay Class: Red to Blue
 Data Path: C:\... bioanalyzer\2100 expert\data\2010-10-07\Yellow_10-7-10.xad

Created: 10/7/2010 4:48:11 PM
 Modified: 10/7/2010 5:15:59 PM

Dot Plot Summary

Mock



Dot plot statistics for sample 1 :

Mock

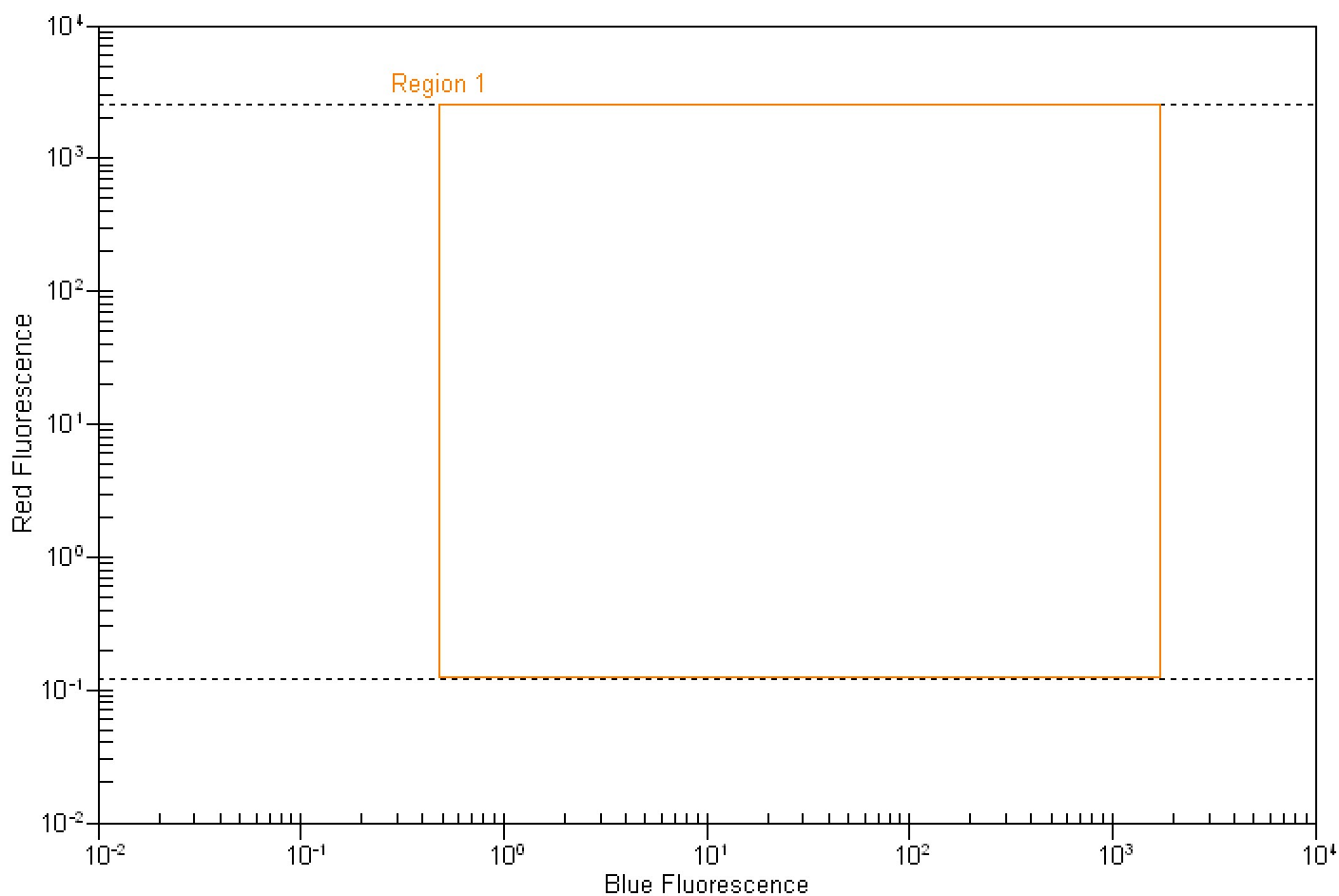
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.15	16.38	1,338	100.00	N/A	0.10	21.95	68.25	134.02	0.11	11.08
Region 1	0.55	99.17	13	1.00	1.00	0.04	95.17	8.10	95.97	0.55	53.14

Assay Class: Red to Blue
Data Path: C:\... bioanalyzer\2100 expert\data\2010-10-07\Yellow_10-7-10.xad

Created: 10/7/2010 4:48:11 PM
Modified: 10/7/2010 5:15:59 PM

Dot Plot Summary Continued ...

Delta5

**Dot plot statistics for sample 2 :**

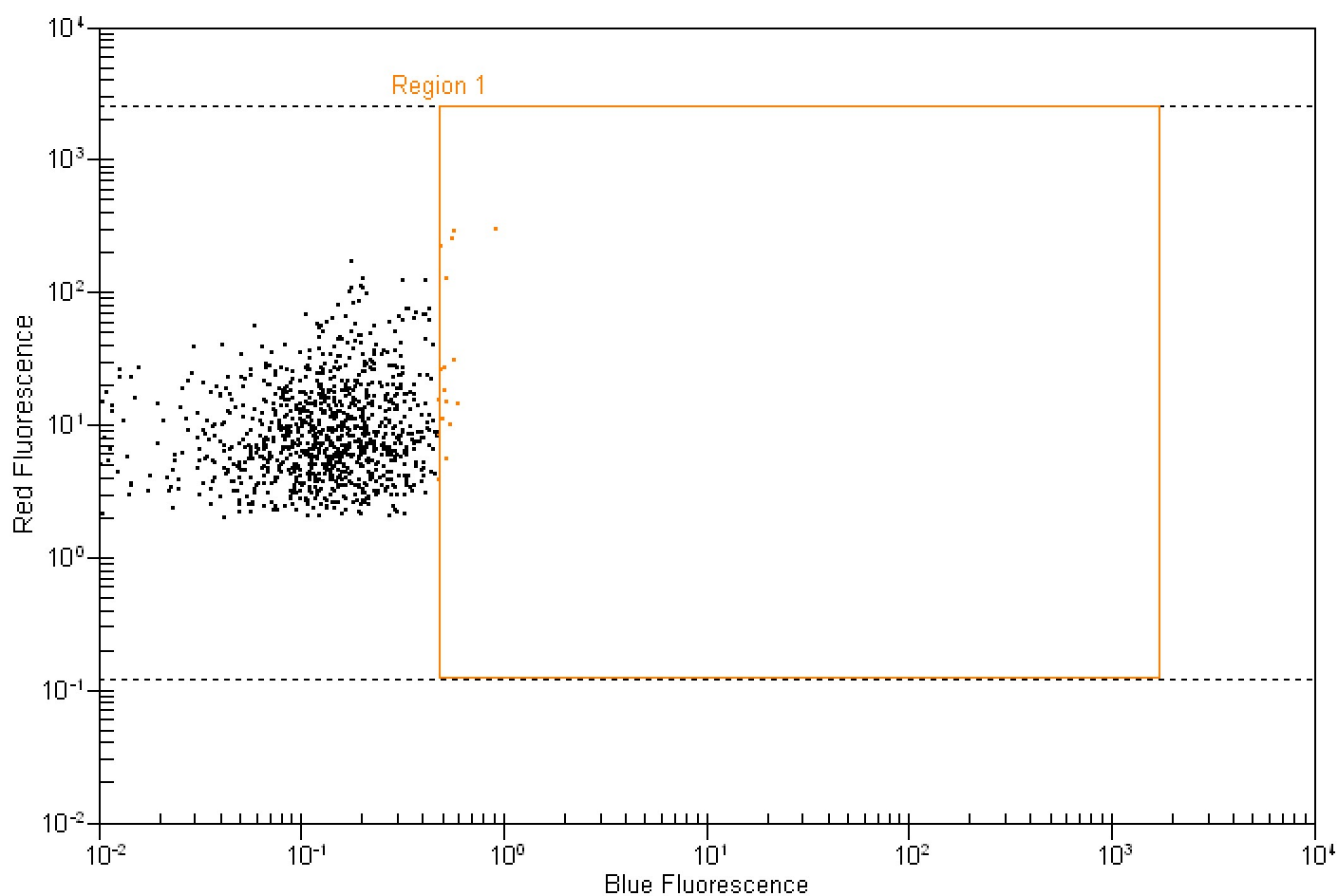
				<u>Delta5</u>							
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.00	0.00	0	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00
Region 1	0.00	0.00	0	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00

Assay Class: Red to Blue
 Data Path: C:\... bioanalyzer\2100 expert\data\2010-10-07\Yellow_10-7-10.xad

Created: 10/7/2010 4:48:11 PM
 Modified: 10/7/2010 5:15:59 PM

Dot Plot Summary Continued ...

Delta3



Dot plot statistics for sample 3 :

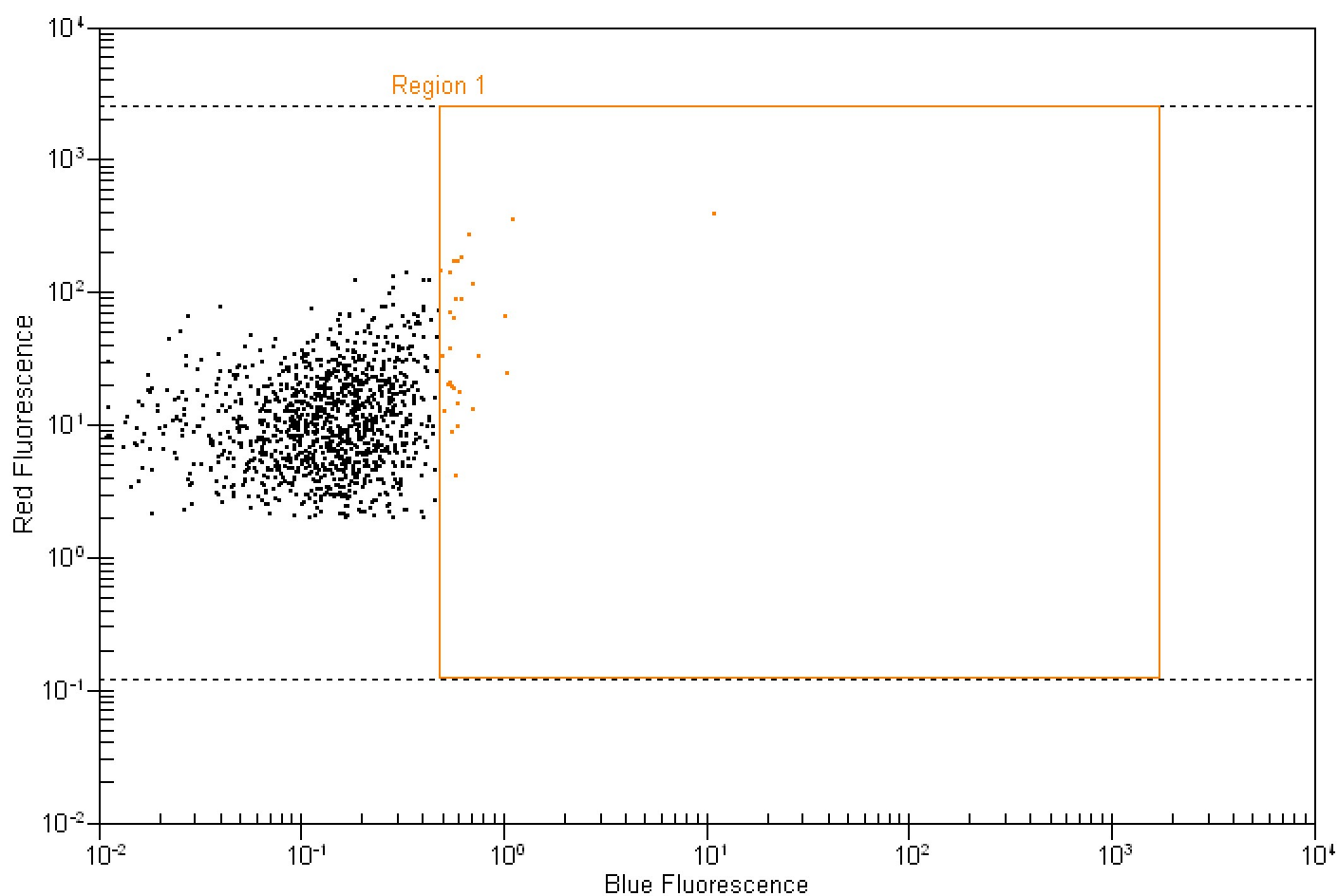
<u>Delta3</u>											
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.16	13.97	1,080	100.00	N/A	0.11	22.24	72.46	159.19	0.11	8.84
Region 1	0.55	80.78	17	1.60	1.60	0.10	106.56	18.36	131.92	0.54	30.43

Assay Class: Red to Blue
 Data Path: C:\... bioanalyzer\2100 expert\data\2010-10-07\Yellow_10-7-10.xad

Created: 10/7/2010 4:48:11 PM
 Modified: 10/7/2010 5:15:59 PM

Dot Plot Summary Continued ...

Delta5 plus cut delta3



Dot plot statistics for sample 4 :

Delta5 plus cut delta3

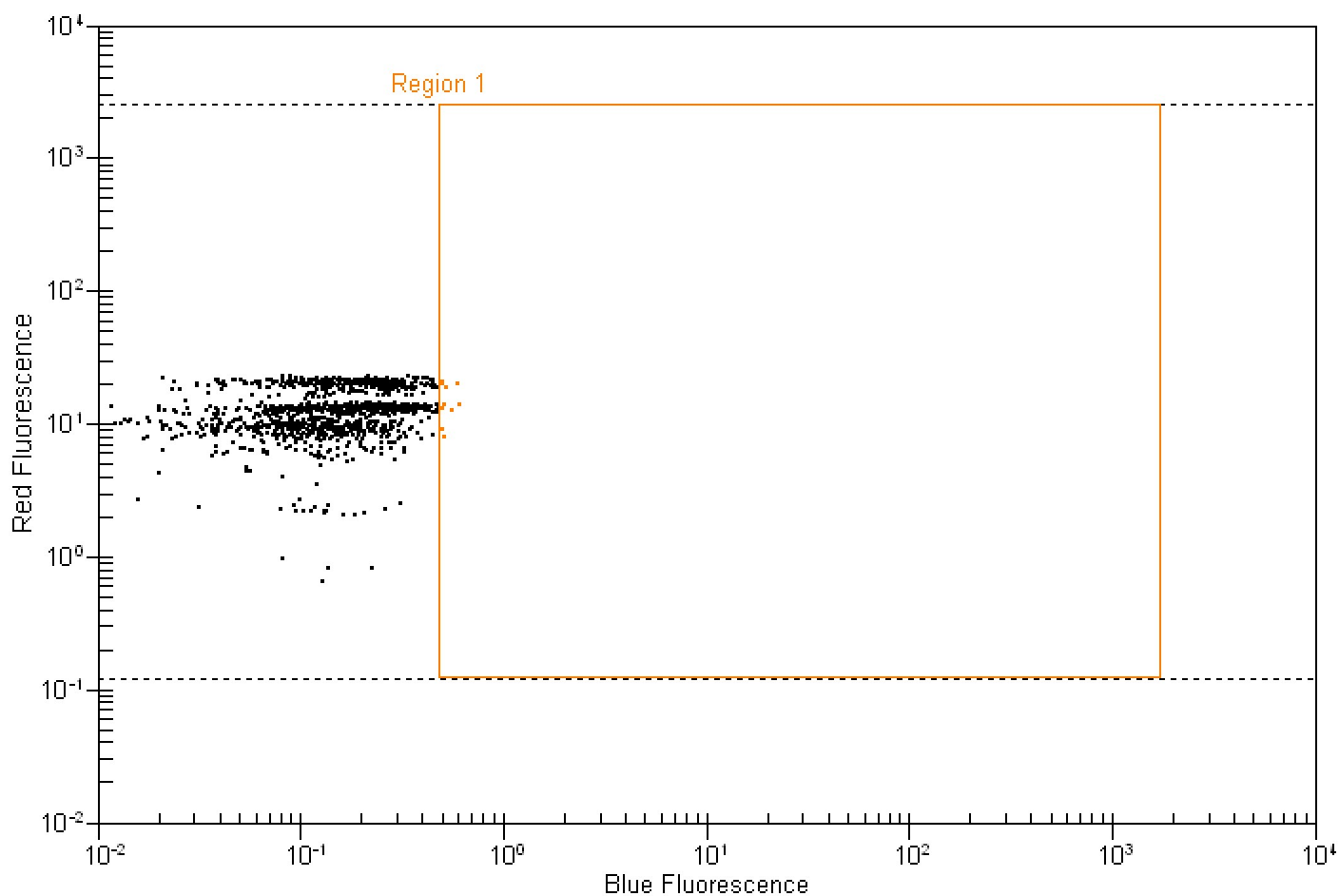
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.17	16.41	1,257	100.00	N/A	0.33	24.14	195.35	147.16	0.12	10.74
Region 1	1.00	89.51	29	2.30	2.30	1.92	101.14	191.38	112.99	0.69	46.44

Assay Class: Red to Blue
 Data Path: C:\... bioanalyzer\2100 expert\data\2010-10-07\Yellow_10-7-10.xad

Created: 10/7/2010 4:48:11 PM
 Modified: 10/7/2010 5:15:59 PM

Dot Plot Summary Continued ...

Delta5 plus delta3 with KpnI digest



Dot plot statistics for sample 5 :

Delta5 plus delta3 with KpnI digest

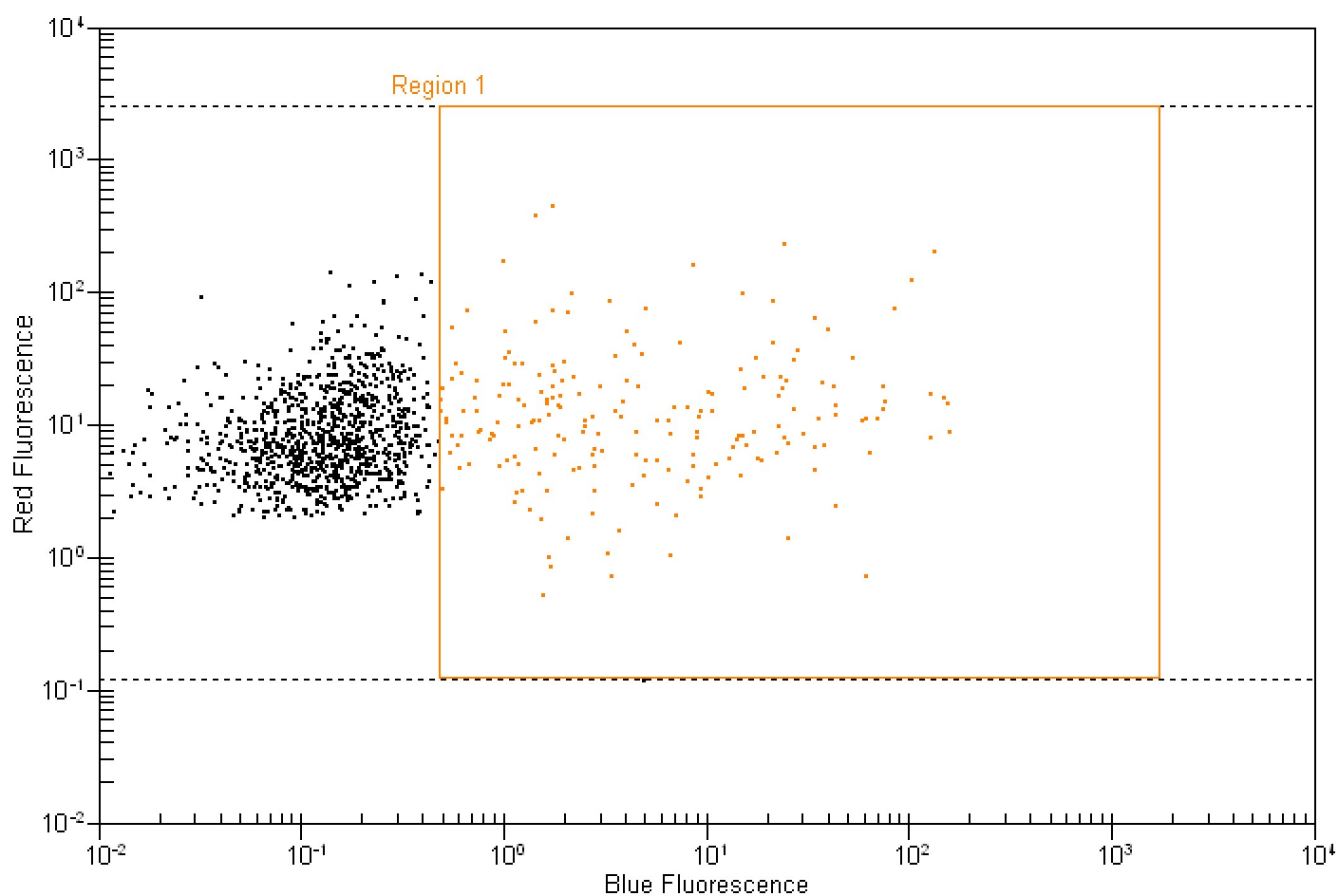
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.17	13.07	1,266	100.00	N/A	0.11	4.79	66.15	36.60	0.12	12.07
Region 1	0.53	15.16	12	0.90	0.90	0.04	4.12	7.65	27.15	0.53	14.55

Assay Class: Red to Blue
 Data Path: C:\... bioanalyzer\2100 expert\data\2010-10-07\Yellow_10-7-10.xad

Created: 10/7/2010 4:48:11 PM
 Modified: 10/7/2010 5:15:59 PM

Dot Plot Summary Continued ...

EGFP



Dot plot statistics for sample 6 :

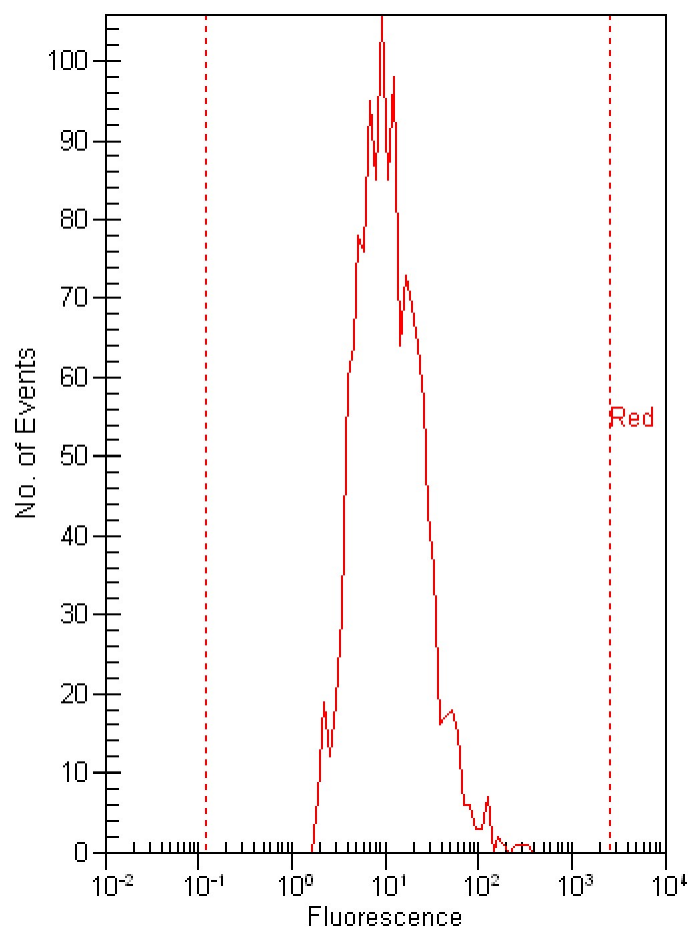
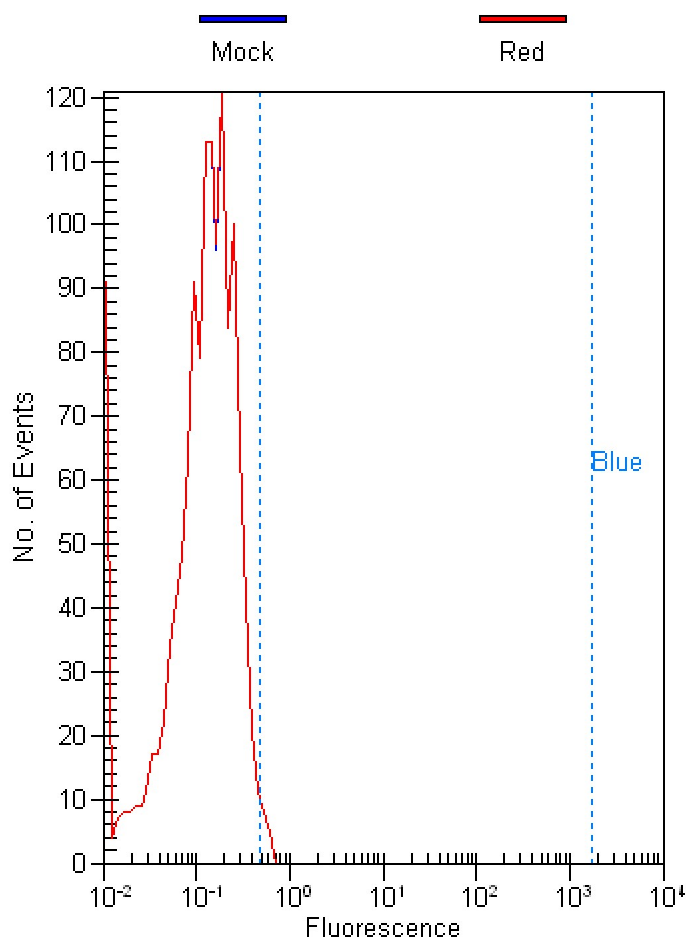
Region	XMean	YMean	#Events	%Total	EGFP	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
					% of gated						
All Events	2.66	13.49	1,245	100.00	N/A	12.91	24.27	485.31	179.97	0.20	8.46
Region 1	15.68	24.54	201	16.10	16.20	28.80	49.80	183.63	202.92	4.80	11.57

Assay Class: Red to Blue
 Data Path: C:\... bioanalyzer\2100 expert\data\2010-10-07\Yellow_10-7-10.xad

Created: 10/7/2010 4:48:11 PM
 Modified: 10/7/2010 5:15:59 PM

Histogram Summary

Mock



Histogram statistics for sample 1 :

Mock -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	0.64	1,338	100.00	N/A	0.15	0.10	68.25	0.11
Gated by Red	0.01	0.64	1,338	100.00	N/A	0.15	0.10	68.23	0.11
Blue on all events	0.48	1754.75	13	1.00	N/A	0.55	0.04	8.10	0.55
Blue on subset	0.48	1754.75	13	1.00	1.00	0.55	0.04	8.10	0.55

Histogram statistics for sample 1 :

Mock -

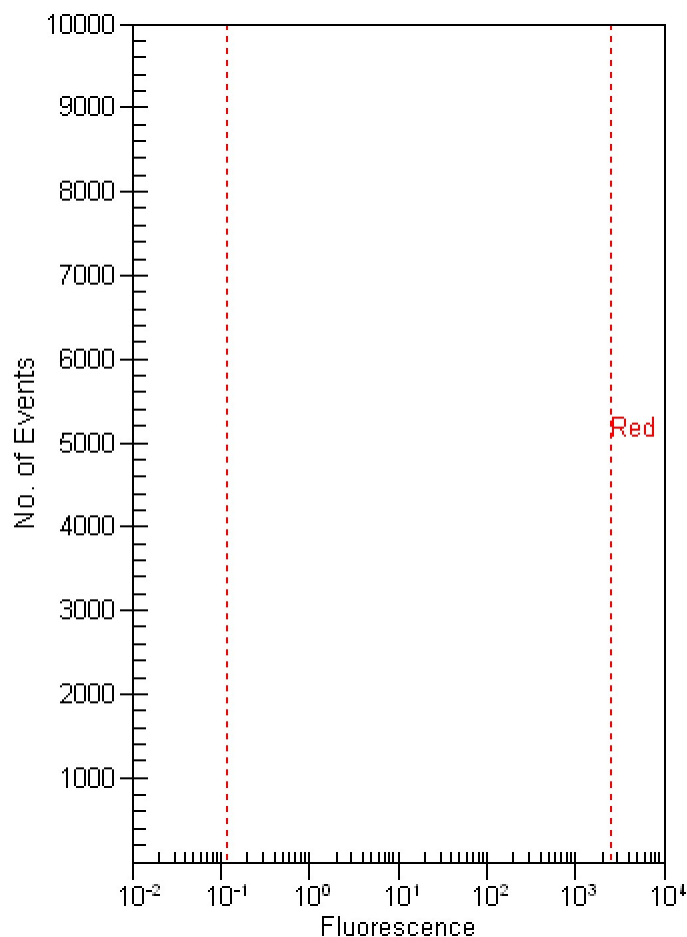
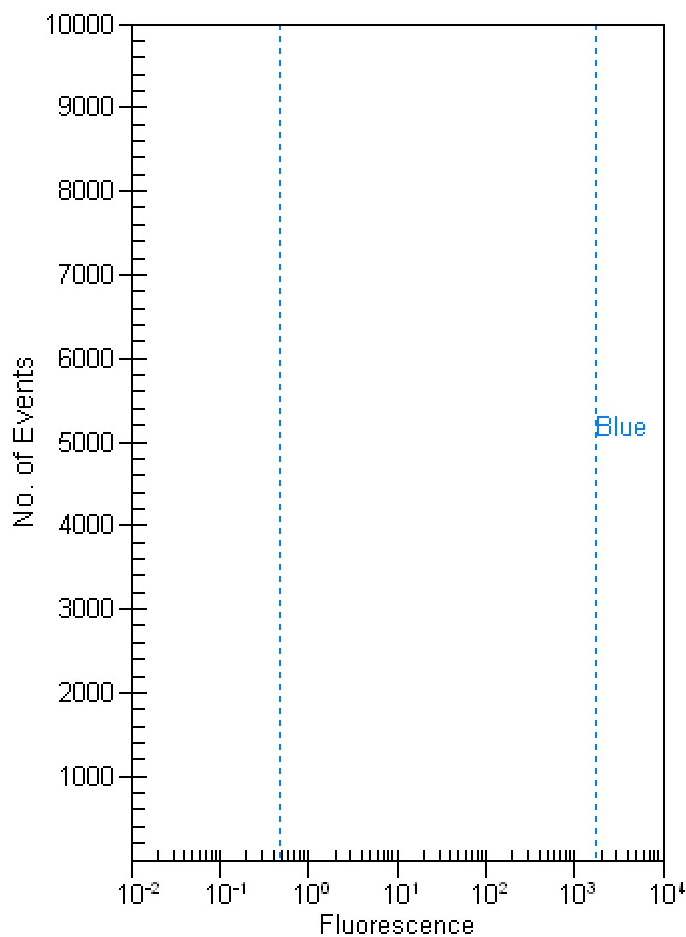
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	2.00	323.98	1,338	100.00	N/A	16.38	21.95	134.02	11.08
Red on all events	0.12	2511.89	1,338	100.00	N/A	16.37	21.94	134.03	11.08

Assay Class: Red to Blue
 Data Path: C:\... bioanalyzer\2100 expert\data\2010-10-07\Yellow_10-7-10.xad

Created: 10/7/2010 4:48:11 PM
 Modified: 10/7/2010 5:15:59 PM

Histogram Summary Continued ...

Delta5



Histogram statistics for sample 2 :

Delta5 -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
Gated by Red	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
Blue on all events	0.48	1754.75	0	0.00	0.00	0.00	0.00	0.00	0.00
Blue on subset	0.48	1754.75	0	0.00	0.00	0.00	0.00	0.00	0.00

Histogram statistics for sample 2 :

Delta5 -

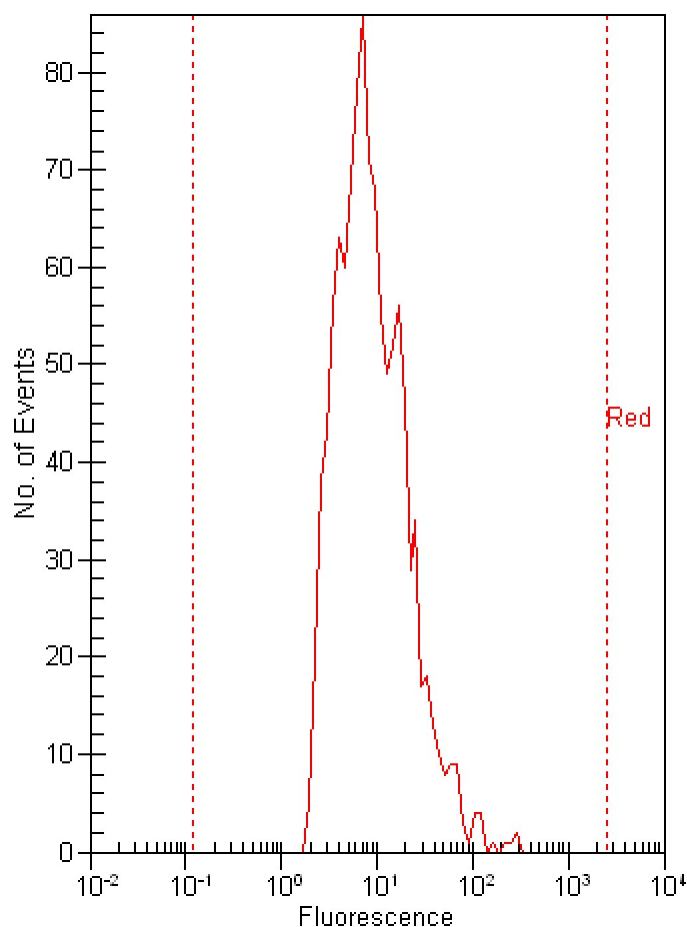
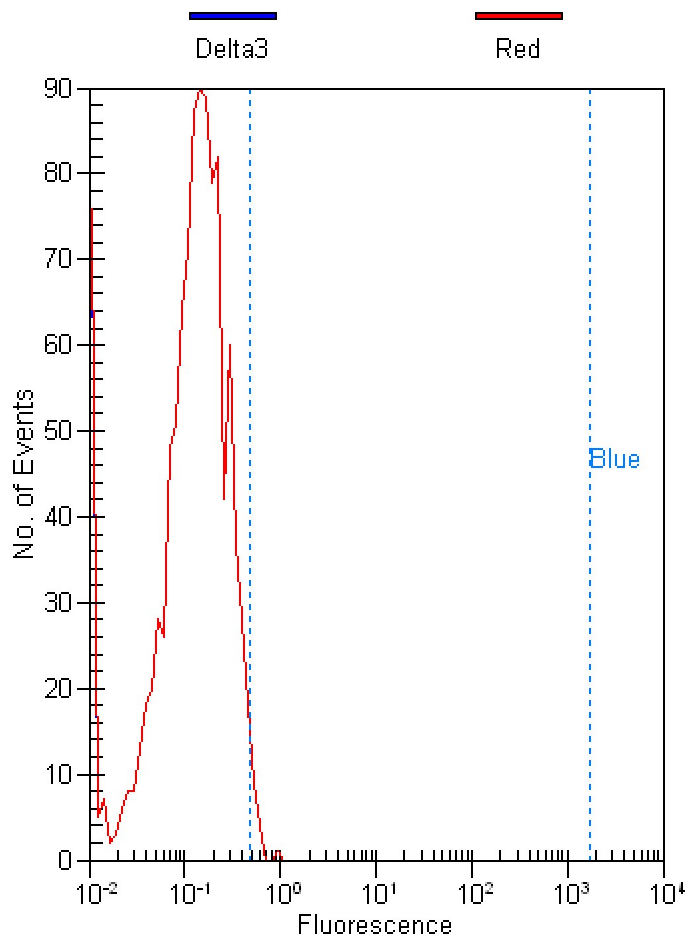
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
Red on all events	0.12	2511.89	0	0.00	0.00	0.00	0.00	0.00	0.00

Assay Class: Red to Blue
 Data Path: C:\... bioanalyzer\2100 expert\data\2010-10-07\Yellow_10-7-10.xad

Created: 10/7/2010 4:48:11 PM
 Modified: 10/7/2010 5:15:59 PM

Histogram Summary Continued ...

Delta3



Histogram statistics for sample 3 :

Delta3 -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	0.93	1,080	100.00	N/A	0.16	0.11	72.46	0.11
Gated by Red	0.01	0.93	1,080	100.00	N/A	0.16	0.11	72.55	0.11
Blue on all events	0.48	1754.75	17	1.60	N/A	0.55	0.10	18.36	0.54
Blue on subset	0.48	1754.75	17	1.60	1.60	0.55	0.10	18.36	0.54

Histogram statistics for sample 3 :

Delta3 -

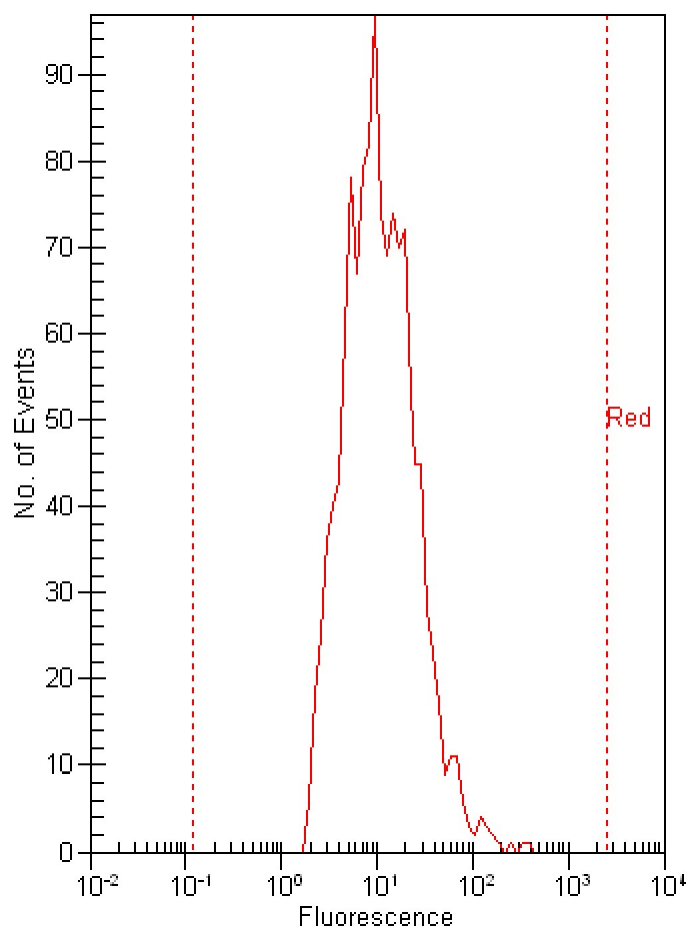
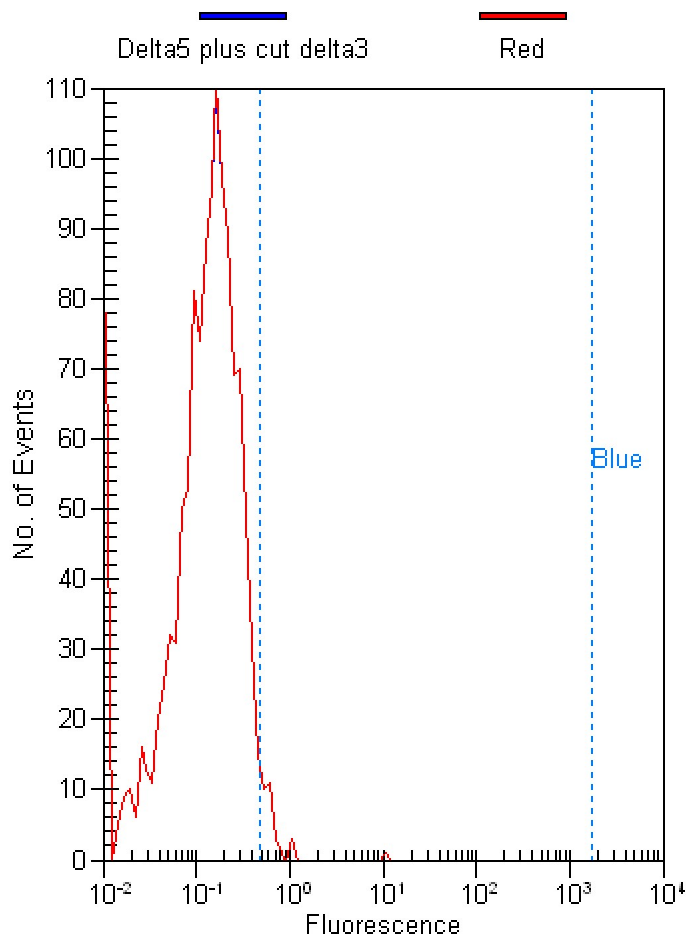
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	2.00	294.52	1,080	100.00	N/A	13.97	22.24	159.19	8.84
Red on all events	0.12	2511.89	1,080	100.00	N/A	13.96	22.23	159.20	8.84

Assay Class: Red to Blue
 Data Path: C:\... bioanalyzer\2100 expert\data\2010-10-07\Yellow_10-7-10.xad

Created: 10/7/2010 4:48:11 PM
 Modified: 10/7/2010 5:15:59 PM

Histogram Summary Continued ...

Delta5 plus cut delta3



Histogram statistics for sample 4 :

Delta5 plus cut delta3 -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	11.14	1,257	100.00	N/A	0.17	0.33	195.35	0.12
Gated by Red	0.01	11.14	1,257	100.00	N/A	0.17	0.33	195.28	0.12
Blue on all events	0.48	1754.75	29	2.30	N/A	1.00	1.92	191.38	0.69
Blue on subset	0.48	1754.75	29	2.30	2.30	1.00	1.92	191.38	0.69

Histogram statistics for sample 4 :

Delta5 plus cut delta3 -

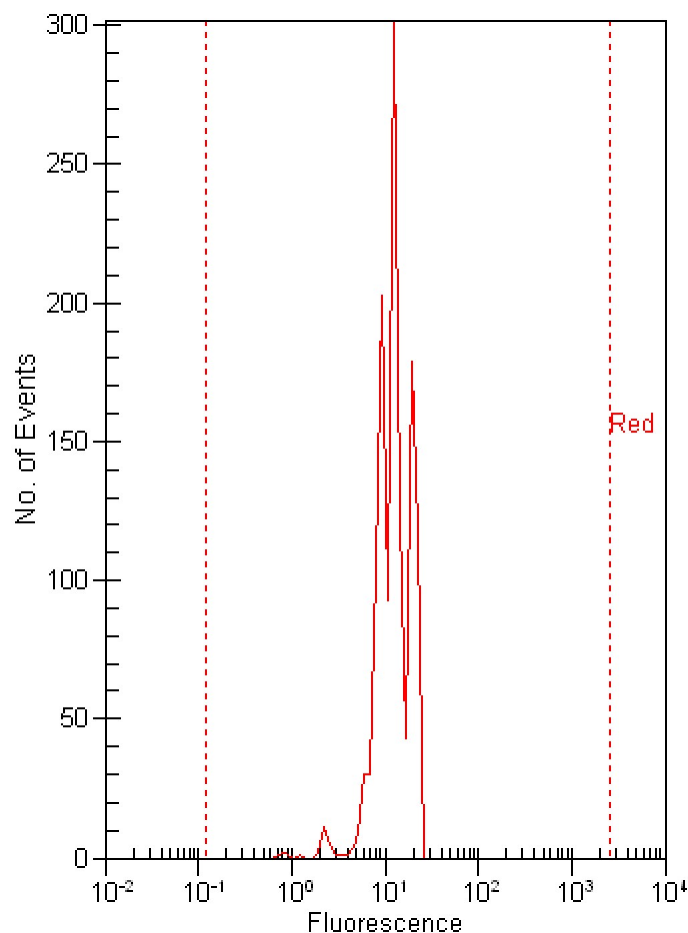
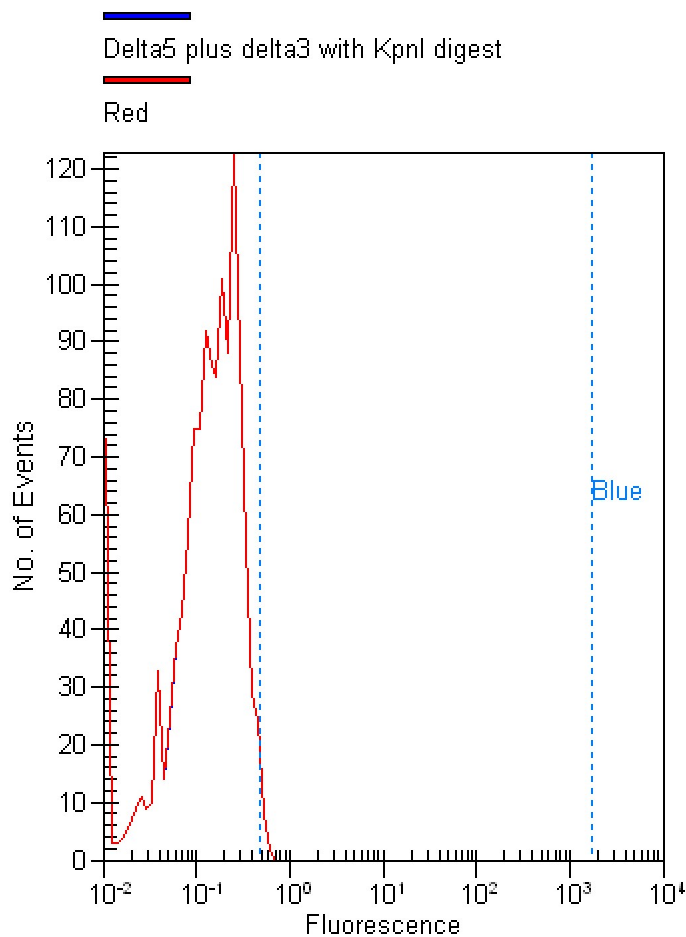
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	1.99	387.01	1,257	100.00	N/A	16.41	24.14	147.16	10.74
Red on all events	0.12	2511.89	1,257	100.00	N/A	16.40	24.14	147.22	10.73

Assay Class: Red to Blue
 Data Path: C:\... bioanalyzer\2100 expert\data\2010-10-07\Yellow_10-7-10.xad

Created: 10/7/2010 4:48:11 PM
 Modified: 10/7/2010 5:15:59 PM

Histogram Summary Continued ...

Delta5 plus delta3 with KpnI digest



Histogram statistics for sample 5 :

Delta5 plus delta3 with KpnI digest -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	0.62	1,266	100.00	N/A	0.17	0.11	66.15	0.12
Gated by Red	0.01	0.62	1,266	100.00	N/A	0.17	0.11	66.19	0.12
Blue on all events	0.48	1754.75	12	0.90	N/A	0.53	0.04	7.65	0.53
Blue on subset	0.48	1754.75	12	0.90	0.90	0.53	0.04	7.65	0.53

Histogram statistics for sample 5 :

Delta5 plus delta3 with KpnI digest -

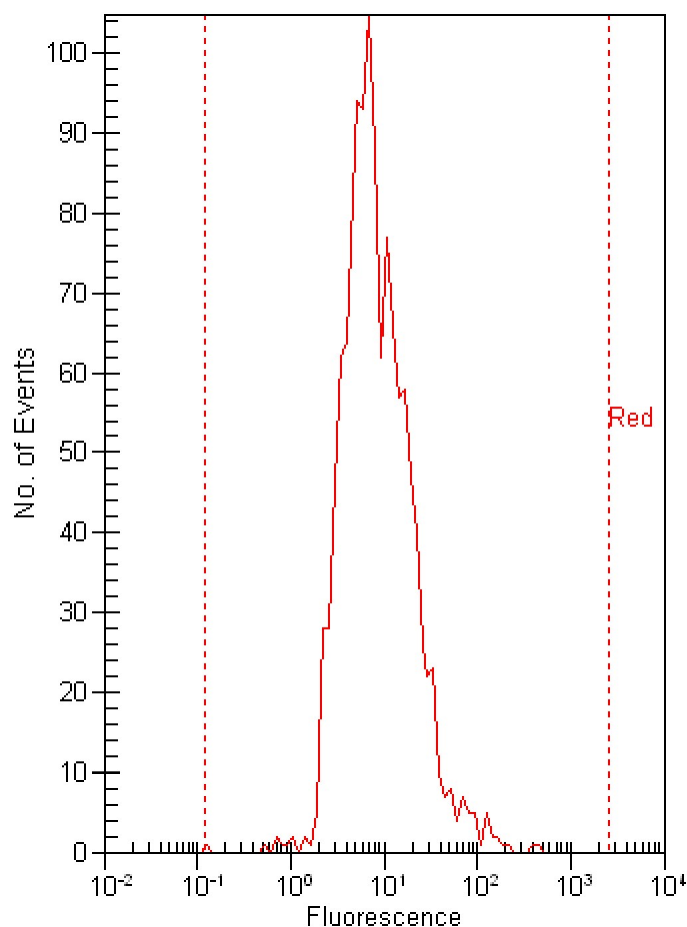
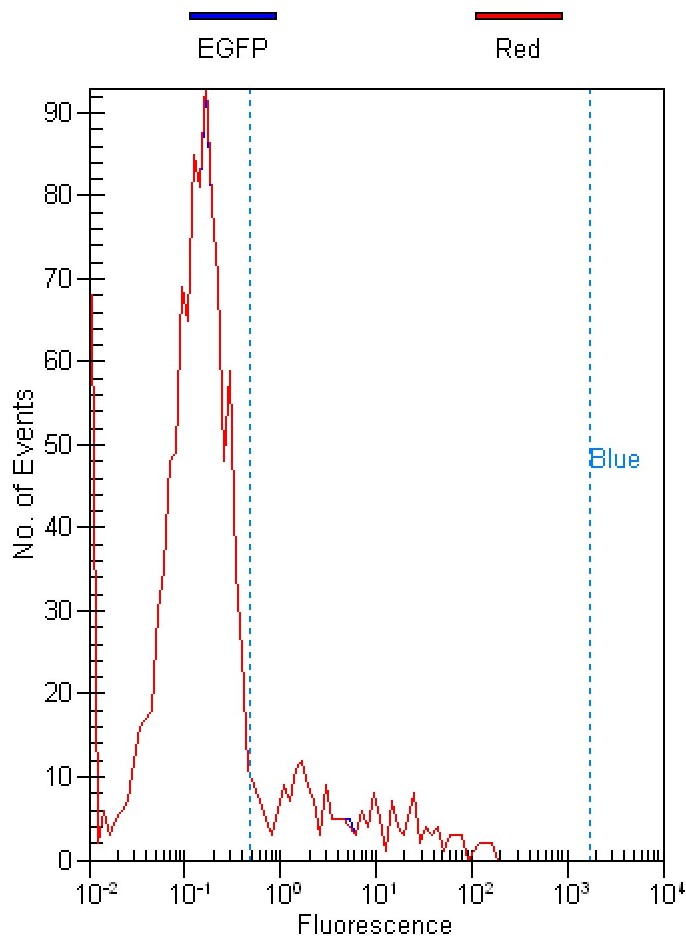
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.66	23.02	1,266	100.00	N/A	13.07	4.79	36.60	12.07
Red on all events	0.12	2511.89	1,266	100.00	N/A	13.07	4.78	36.59	12.07

Assay Class: Red to Blue
 Data Path: C:\... bioanalyzer\2100 expert\data\2010-10-07\Yellow_10-7-10.xad

Created: 10/7/2010 4:48:11 PM
 Modified: 10/7/2010 5:15:59 PM

Histogram Summary Continued ...

EGFP



Histogram statistics for sample 6 :

EGFP -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	161.19	1,245	100.00	N/A	2.66	12.91	485.31	0.20
Gated by Red	0.01	161.19	1,244	99.90	N/A	2.66	12.91	486.02	0.20
Blue on all events	0.48	1754.75	202	16.20	N/A	15.63	28.74	183.86	4.80
Blue on subset	0.48	1754.75	201	16.10	16.20	15.68	28.80	183.63	4.80

Histogram statistics for sample 6 :

EGFP -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.12	445.55	1,245	100.00	N/A	13.49	24.27	179.97	8.46
Red on all events	0.12	2511.89	1,244	99.90	N/A	13.49	24.27	179.93	8.49

Assay Class: Red to Blue
 Data Path: C:\... bioanalyzer\2100 expert\data\2010-10-07\Yellow_10-7-10.xad

Created: 10/7/2010 4:48:11 PM
 Modified: 10/7/2010 5:15:59 PM

Run Logbook

Description	Number	Source	Category	Sub Category	Time Stamp	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 6)		Instrument	Run		10/7/2010 5:14:36 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2010-10-07\2100 expert_Red to Blue_DE72905360_2010-10-07_16-48-11.xad)		Instrument	Run		10/7/2010 4:48:16 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Product Number : G2938C		Instrument	Run		10/7/2010 4:48:16 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Name :		Instrument	Run		10/7/2010 4:48:16 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Vendor : Agilent Technologies		Instrument	Run		10/7/2010 4:48:16 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Serial# : DE72905360		Instrument	Run		10/7/2010 4:48:16 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Firmware : C.01.069		Instrument	Run		10/7/2010 4:48:16 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Cartridge : Pressure		Instrument	Run		10/7/2010 4:48:16 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01